

## SUPPLY CHAIN ARCHITECTURE

### ABSTRACT OF THE DISCLOSURE

5 A supply chain network where customers, suppliers, logistics providers, carriers,  
and financial institutions are all connected to a centralized supply chain server. The  
server receives forecasts from the customers detailing the orders that the customers  
desire. These forecasts are analyzed by the supply chain server to ensure that they  
conform to contractual agreements and do not contain errors. The forecasts are also used  
to warn the suppliers of future demands so that the suppliers can anticipate demands and  
plan inventory accordingly. The supply chain server checks with the suppliers to  
determine whether the forecasts can be fulfilled by the suppliers. If the forecasts cannot be  
fulfilled by the suppliers, the supply chain server contacts customers and suppliers and  
attempts to either redistribute the customers' demands to different suppliers or request  
that customers alter their demands. Once supplier demand issues are resolved, the  
forecasts are sent to the suppliers in groups so that the suppliers need to prepare a smaller  
number of large orders. The supply chain server also controls the processes involved in  
distributing the product from the suppliers to the customers including the generation and  
payment of invoices. A form of financing the customers' purchases, made possible by the  
novel supply chain architecture, is also disclosed.